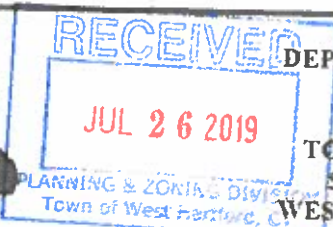




TOWN OF WEST HARTFORD



DEPARTMENT OF COMMUNITY  
DEVELOPMENT  
PLANNING DIVISION  
TOWN OF WEST HARTFORD  
50 SOUTH MAIN STREET  
WEST HARTFORD, CT 06107-2431  
TEL: 860.561.7555 FAX: 860.561.7504  
[www.westhartfordct.gov](http://www.westhartfordct.gov)

PERMIT APPLICATION FOR: (check one of the following)

☐ Lot Split ☒ Special Use Permit ☐ Site Plan  
☐ Lot Line Revisions ☐ Subdivision ☐ Building Line

File #: 1343

Date Received: 7-25-19

Street Address of Proposed Application: 170 Kingswood Road (Kingswood Oxford School)

Zone: \_\_\_\_\_ Acreage/Lot Area: \_\_\_\_\_ Parcel/Lot#: \_\_\_\_\_

Application Fee: \$350. Surcharge Fee: \$60 Affidavit Fee: \$20 cash

Applicant's Interest in Property: Owner of property utilizing the Hoffman Turf Field for practices and games for the Student-athletes.

Brief Description of Proposed Activity: To use temporary lights on October 18, 2019 and November 8, 2019 to play night games. (see attached for further details)

The undersigned warrants the truth of all statements contained herein and in all supporting documents to the best of his/her knowledge and belief. Furthermore, the applicant agrees that submission of this document constitutes permission and consent to Commission and Staff inspections of the site. Note: Notice is hereby given the Connecticut Department of Public Health must be notified by applicants for any project located within a public water supply aquifer protection area or watershed area. (CTDPH website at <http://www.dph.state.ct.us>)

Kingswood Oxford School  
Record Owner's Name

Kingswood Oxford School  
Applicant's Name

170 Kingswood Road  
Street

170 Kingswood Road  
Street

West Hartford, CT 06119  
City State Zip

West Hartford, CT 06119  
City State Zip

860-233-9631  
Telephone #

860-233-9631  
Telephone #

Contact Person:

Amy Raisner  
Name

[Signature]  
Applicant's Signature

10 Northcliff Drive  
Street

[Signature]  
Signature of Owner/Authorized Agent

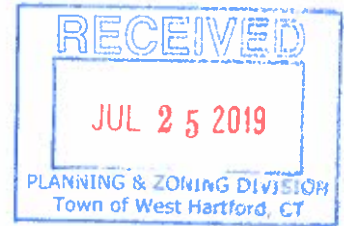
West Hartford, CT 06117  
City State Zip

860-916-6960  
Telephone #

awraisner@gmail.com  
Email Address



**KINGSWOOD  
OXFORD**



**Description of Proposed Activity:**

Kingswood Oxford school is seeking a Special-Use Permit for the purpose of using temporary, portable lights for two Friday evenings during the 2019 Fall season for athletic contests to be played on the Hoffman turf Field.

The anticipated games to be played on the following dates:

Friday, October 18, 2019

Friday, November 8, 2019

There will be two games scheduled on each date. The night of October 18, 2019 will host the Men's and Women's Varsity Soccer Games. On November 8, 2019 the Varsity Field Hockey Team and the Varsity Football team will compete. Sundown on October 18th is at 6:05 p.m. and sundown on November 8th is at 4:37 pm.

The games are anticipated to start at 5:00 p.m. and 7:00 p.m. on both dates. It is anticipated that the games will be finished prior to 9:30 p.m. and the lights should be turned off by 10 p.m. We will use 6 sets of portable lights around the field to illuminate the field and 4 portable lights in the surrounding areas including a concession stand and access from the circular drive at the entrance to Kingswood Oxford School. Each light tower contains 4 lights and has a maximum extension height of 30 ft. The lights are powered by diesel fuel. A more detailed description of the specifications of the portable lights, photo-metric test data and unit engine information is attached.

The rental company that is providing the lights will deliver them to Kingswood Oxford School during the day on each of the two Friday game nights and will remove them from the field each Monday following. The lights will be provided by Kingswood Oxford school with no charge to the town. The approximate players on the two Kingswood Oxford teams is anticipated to be approximately 40 players and the total number of players, family and friends attending these games would be approximately 150 to 200 people per evening. All campus parking will be open for full use on both dates.

Kingswood Oxford representatives are sending a letter to all the neighbors who reside around the field, advise them of this proposal and offer to meet with any concerned neighbors at Kingswood Oxford to address any questions or concerns prior to a vote on this application.

PLANNING - CIVIL ENGINEERING  
TOWN & COUNTRY



↑  
↓

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**BIO**  
THE BIOGRAPHICS GROUP, INC.  
LAND SURVEYORS  
178 First Road  
Washington, Conn. 06391  
TEL. (860) 666-0134

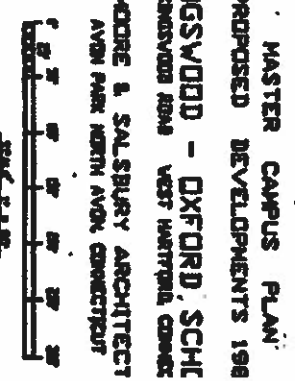




Imagery ©2019 Google, Map data ©2019 100 ft



PLANNING & ZONING DIVISION  
Town of West Hartford, CT

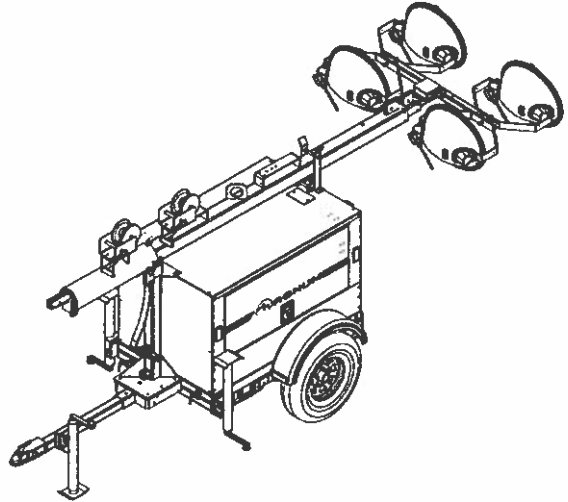




## Magnum Light Tower – MLT3060 Specifications

### ENGINE

- Kubota® D1005-E3BG1-MGM-1 - liquid cooled, diesel engine
  - Standby - 13.1 hp @ 1800 rpm
  - Prime - 11.7 hp @ 1800 rpm
  - 3 cylinder
  - 1.0 L displacement
- Fuel consumption (prime) – 0.50 gph (1.89 Lph)
- 60 Hz engine/generator
- Industrial engine exhaust system
- Rubber vibration dampers isolate engine/generator from frame
- Cooling system capable of operating at 120°F ambient
- Full flow oil filter, spin on type
- Fuel filter with replaceable element
- Dry type cartridge air filter
- Polyethylene fuel tank with large diameter opening
  - 30 gal. capacity
  - 60 hr. run capacity
  - 3 ½" fill port



### ENGINE CONTROLS

- Engraved, aluminum punched and anodized control panel
- Four position keyed switch – glow plugs (preheat, off, run, start)
- Hour meter
- Automatic low oil/high temperature shutdown system



### GENERATOR

- Marathon Electric®
  - Brushless
- 6 kW standby output
- 120/240 VAC – 50/25A
- +/-6% capacitor voltage regulation

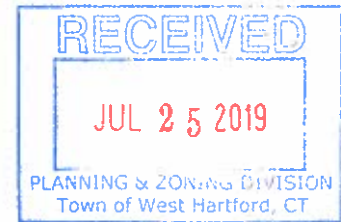
### ELECTRICAL SYSTEM AND CONTROLS

- Individual floodlight circuits with 15A breakers
- Ballast indicator lights
- 30A start limit breaker (assures no load condition exists before starting)
- Standard individually breakered convenience outlets:
  - (1) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
  - (1) 240 VAC 30 Amp twistlock outlets (Nema L6-30R type)
- 440 CCA wet cell battery



## FLOODLIGHTS

- Four light fixtures – 1000 watts each - metal halide
- Oval aluminum reflector
- Tempered glass lens
- Silicone gaskets for moisture and dust protection
- Individual floodlight On/Off switches



## WIRING

- All wiring is sized to the amperage draw required
- AC & DC wiring diagrams are provided

## MAST

- 30' maximum extension, 3-section, tubular steel
- Self-lubricating, graphite guides on all sides of mast tubes
- Industrial black powder coat finish
- Automatic locking system in horizontal position for travel
- 1500 lb. automatic self-braking winches
- 360° rotation with locking system
- Coiled mast cord
- Dual winch system located at ergonomic height allowing single person operation
- Equipped with single lifting eye and fork pockets

## ENCLOSURE

- Steel enclosure – 14-gauge
  - UV & fade resistant, high temperature cured, white polyester powder paint
  - 68 dB(A) at 23 feet – prime power
- Stainless steel hinges on doors
- Multi-lingual operating/safety decals
- License plate holder with light
- Manual holder with operating manual

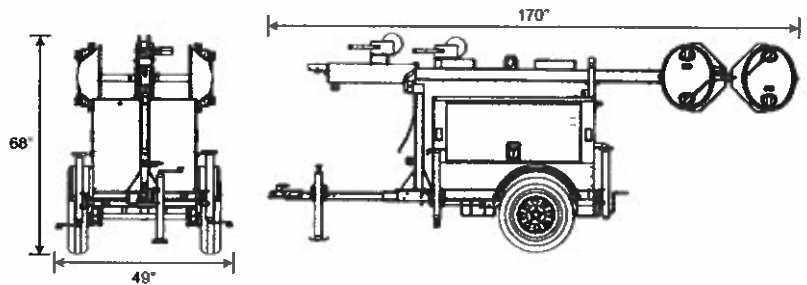
## TRAILER

- Mast support - 3" square tube, 1/4" wall
- Removable tongue - 48" long
- Tubular steel frame - 3/16" wall
- Four, 2000 lb. adjustable leveling jacks – 4 point stance
- All jacks transport and lock in horizontal position for storage
- Side outriggers - 8' 1/4" span
- Safety chains with spring loaded safety hooks
- 2" ball hitch
- Single wall polyethylene fenders
- DOT approved tail, side, brake, and directional lights
  - Recessed rear lights
- 2200 lb. leaf spring axle
- ST175/80D13 – 6 ply
- 40.75 in. axle span



## WEIGHTS & DIMENSIONS

- Dry weight: 1657 lbs (752 kg)
- Operating weight: 1870 lbs (848 kg)
- Mast stowed: 170 x 49 x 68 in (4.32 x 1.25 x 1.73 m)



## WARRANTY

- Engine and generator covered under OEM warranty – consult factory for details.

## CERTIFICATIONS

- CSA certified

---

## MLT3060 Options

### COOLANT OPTIONS

- ◆ 60/40 Coolant, 60% Ethylene glycol

### ENGINE OPTIONS

- ◆ Heated fuel filter
- ◆ Oil drain valve kit
- ◆ Lower radiator hose – engine heater

### ELECTRICAL CONTROLS OPTIONS

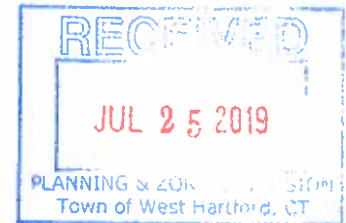
- ◆ 720 CCA wet cell battery
- ◆ 720 CCA gel cell battery
- ◆ 685 CCA gel cell battery
- ◆ Battery disconnect
- ◆ Battery charger – 2A trickle
- ◆ Autolight controller

### CABINET OPTIONS

- ◆ Interior cabinet light
- ◆ Level indicator

### HITCH OPTIONS

- ◆ 2.5" lunette ring
- ◆ 3" lunette ring
- ◆ 3" HD lunette ring
- ◆ 2 5/16" ball
- ◆ Combination hitch – 2.5" lunette ring / 2" ball





## TRAILER OPTIONS

- ◆ Tube and sleeve jack
- ◆ 6 pin or 7 spade connectors
- ◆ Spare tire and carrier

## LIGHT OPTIONS

- ◆ High pressure sodium, quick disconnect lights

## MAST CORD OPTIONS

- ◆ Drape cord

## MAST, WINCH, & FINISH OPTIONS

- ◆ Galvanized, manual, dual winch
- ◆ Galvanized, electric, dual winch
- ◆ Galvanized, electric, dual winch, quick disconnect
- ◆ Black, electric, dual winch
- ◆ Black, electric, dual winch, quick disconnect



**ENGINE**

- Kubota® D1005- liquid cooled, diesel engine
  - Standby - 13.1 hp @ 1800 rpm
  - Prime - 11.7 hp @ 1800 rpm
  - 3 cylinder
  - 1.0 L displacement
  - Fuel consumption (prime) – 0.50 gph (1.89 Lph)
- 43 gal. (163 L) polyethylene fuel tank
- 90 hr. run capacity with all 4 lights on
- External 3.5 in. (89 mm) fill port with optional
- Pad-lockable cap
- Industrial engine exhaust system
- Cooling system capable of operating at 120°F (49°C) ambient
- Full flow oil filter, spin on type
- Fuel filter, spin on type
- Dry type cartridge air filter
- 60 Hz engine/generator

**GENERATOR**

- Marathon Electric®
  - Brushless
- 6 kW standby output
- 120/240 VAC – 50/25A
- +/-6% capacitor voltage regulation

**ENGINE CONTROLS**

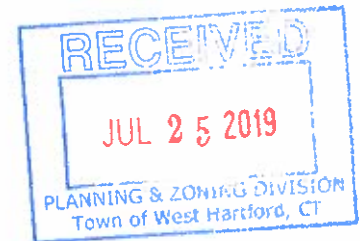
- External, illuminated control panel with sealed switches
- Four position keyed switch – (off, run, glow start)
- Digital hour meter
- Automatic low oil pressure/high temperature shutdown system

**ELECTRICAL AND SYSTEM CONTROLS**

- 30A start trip breaker (assures no load condition exists before starting)
- Individual floodlight circuits with sealed 15A breakers
- Standard individually breakered convenience outlets:
  - (1) 120 VAC 20 Amp GFCI duplex outlet (NEMA 5-20R type)
  - (1) 240 VAC 30 Amp twist lock outlet (NEMA L6-30R type)
- Wiring is sized and fused to the amperage draw required
- AC & DC wiring diagrams provided
- 440CCA wet cell battery

**FLOODLIGHTS**

- (4) light fixtures – 1000 watts each - metal halide
- Oval aluminum reflector
- Tempered glass lens
- Silicone gaskets for moisture and dust protection
- Friction disc mounting for tool less positioning
- Individual floodlight On/Off switches

**MAST**

- 23 ft. (7 m), 5-section vertical mast with ground adjustable light fixtures
- Dual handle manual winch for ease of deployment, enclosed tamper proof brake system
- Distinctive angle fixture mount for common light distribution
- 359° ground rotational mast with mast fully extended
- Industrial black powder coat finish with polymer guides
- Mast stowed height ft. (m): 8.4 (2.56)

**ENCLOSURE**

- Thermoformed hood enclosure with UV protected colorant
- Flip hood engine compartment for ease of service
- Multi-lingual operating/safety decals
- License plate holder with light
- Manual holder with operating manual
- 68 dB(A) at 23 ft. (7 m) – prime power

**TRAILER**

- Tubular steel frame
- (3) 1200 lb. (544 kg) tube and sleeve leveling jacks
- All jacks transport and lock in position for storage
- Side outriggers deployed – 10 in. (25.4 cm) span
- 7,800 lb. (3538 kg) safety chains with spring loaded safety hooks
- 2 in. (50.8 mm) ball hitch
- Molded polyethylene fenders
- DOT-approved LED tail, side, brake, and directional lights
- 2200 lb. (907 kg) leaf spring axle
- ST175/80D13 – 6 ply
- 47 in. (119.4 cm) track width

**WEIGHT & DIMENSIONS**

- Dry weight: 1330 lbs. (603 kg)
- Operating weight: 1600 lbs. (726 kg)
- Mast stowed: 118 x 57 x 101 in. (3 x 1.45 x 2.6 m)

**WARRANTY**

- 2 Years, 2000 Hours

**CERTIFICATIONS**

- CSA Certified

**Distributed By:**[www.onesourcerental.com](http://www.onesourcerental.com)



# LIGHT TOWER COVERAGE

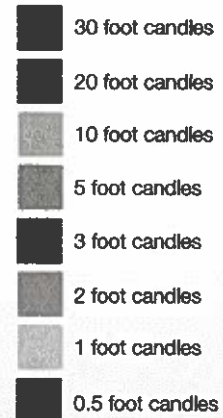
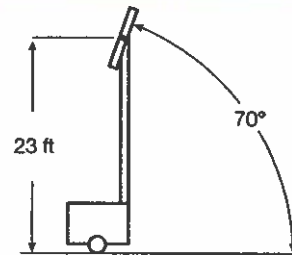
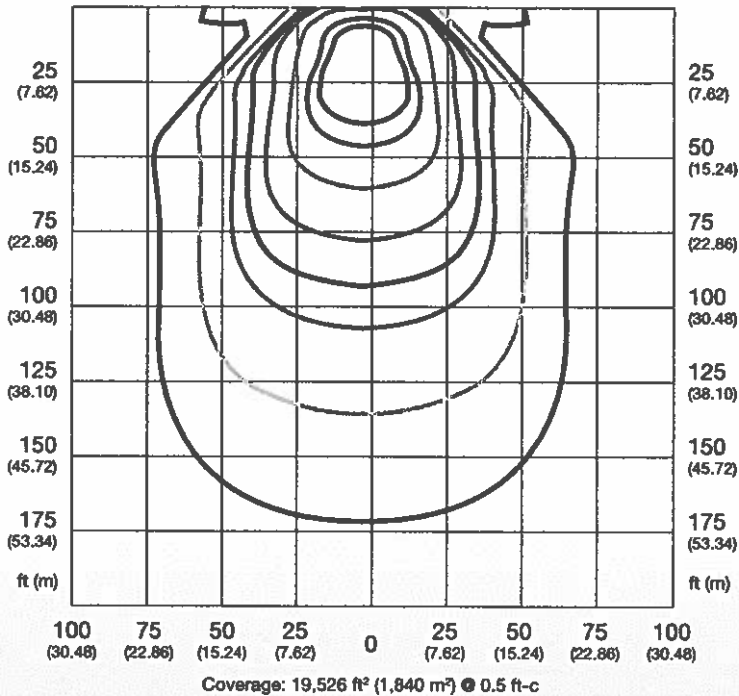
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Town of West Hartford, CT

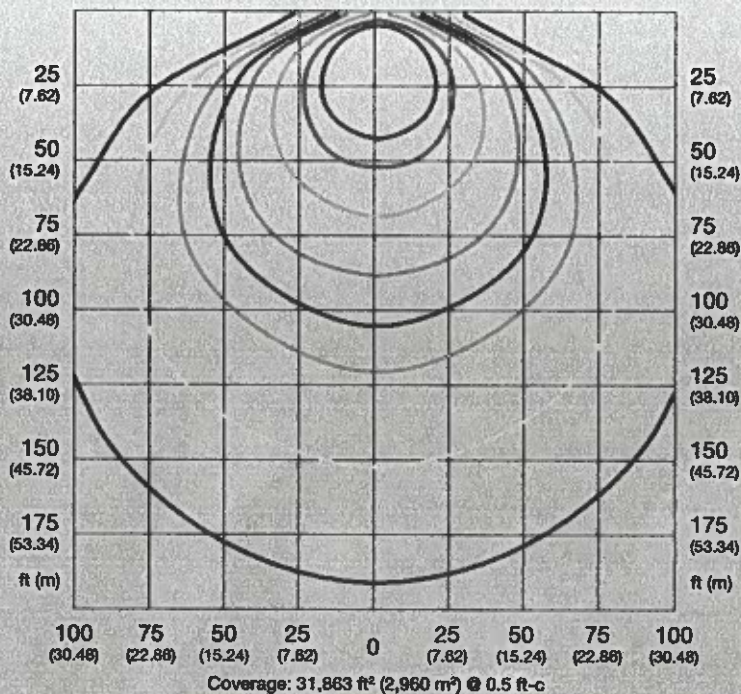
## MLT6SMD LIGHT TOWER COVERAGE

23-foot mast height at 20-degree fixture tilt



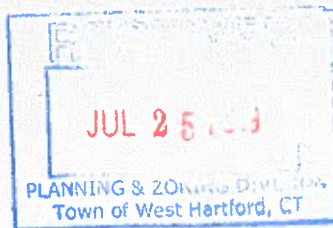
## MLT6SM/K LIGHT TOWER COVERAGE

23-foot mast height at 20-degree fixture tilt





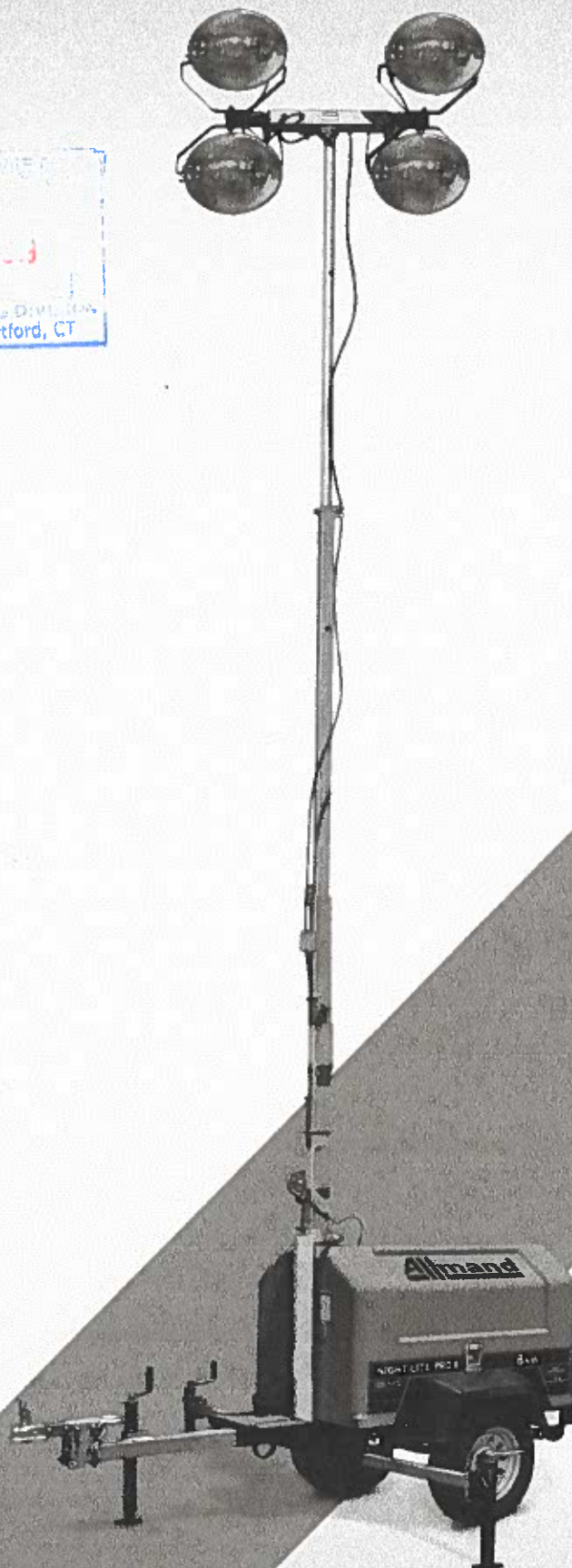
# Allmand®



## NIGHT-LITE PRO II®

### LD-SERIES

The **Night-Lite Pro II® LD-Series™** features SHO-HD® lamp fixtures that provide 135,500 lumens per lamp – more than competitive light towers. The 30 gallon polyethylene fuel tank eliminates contamination from rust and corrosion to keep your light tower running longer. The optional full fluid containment system protects sensitive environments from inadvertent leaks and spills. Maximize your job site productivity with the choice that outshines the competition.



A SUBSIDIARY OF



BRIGGS & STRATTON  
CORPORATION



# KEY FEATURES

## Night-Lite Pro II<sup>®</sup> LD-Series

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Town of West Hartford, CT

### Sequenced Light System (SLS<sup>™</sup>)

Automatically delays engine shutdown to turn off lights and prevent generator from shutting down while **under load**.

### 4 Metal Halide Lamps

### 359° Fixture Rotation

### 55 mph Operating Wind Speed Rating

### Structure

3 section tubular steel design

### Guide Pads

Polyethylene self-lubricating

### Manual Winch Actuated Tower

### Frame Formed, welded steel frame

### Axle Tubular axle with elliptical leaf springs

### Removable Tongue

### Reversible Coupler

Adjustable height 2" ball / 3" pintle

### 30 Gallon Polyethylene Fuel Tank

### Stabilizers

Four-point design, tongue jack, (2) retractable side outriggers at front of trailer, rear jack

### Four-Way Flat Trailer Connector

### Height\*

Mast Lowered / Raised  
6.9 ft (2.1 m) / 29.1 ft (8.9 m)

### Width

Transport / Operating  
50.5 in (1,283 mm) / 98.3 in (2,497 mm)

### Length

Transport / Operating  
176.3 in (4,478 mm) / 173.3 in (4,402 mm)

### Gull-Wing Style Doors

Reaction Injection Molded (RIM) doors providing strength and corrosion resistance with a lockable latch

### Forklift Pockets and Lifting Eye

### Fluid Containment System (FCS)

Holding up to 110% of all on-board fluids (with Arctic Package)

### Remote Engine Oil and Coolant Drain

Easily accessible at rear of trailer

### Trailer Lighting

Stop, turn, tail lights / side marker lights / illuminated license plate bracket

### Forklift Pockets Below the frame

### Tie Down Rings

### Tires ST175 / 80D13

load range 'C'

### Seven-Way Round Pin Connector

(SAE J560b Optional)

### Seven-Way Flat Pin RV Adapter

(Optional)



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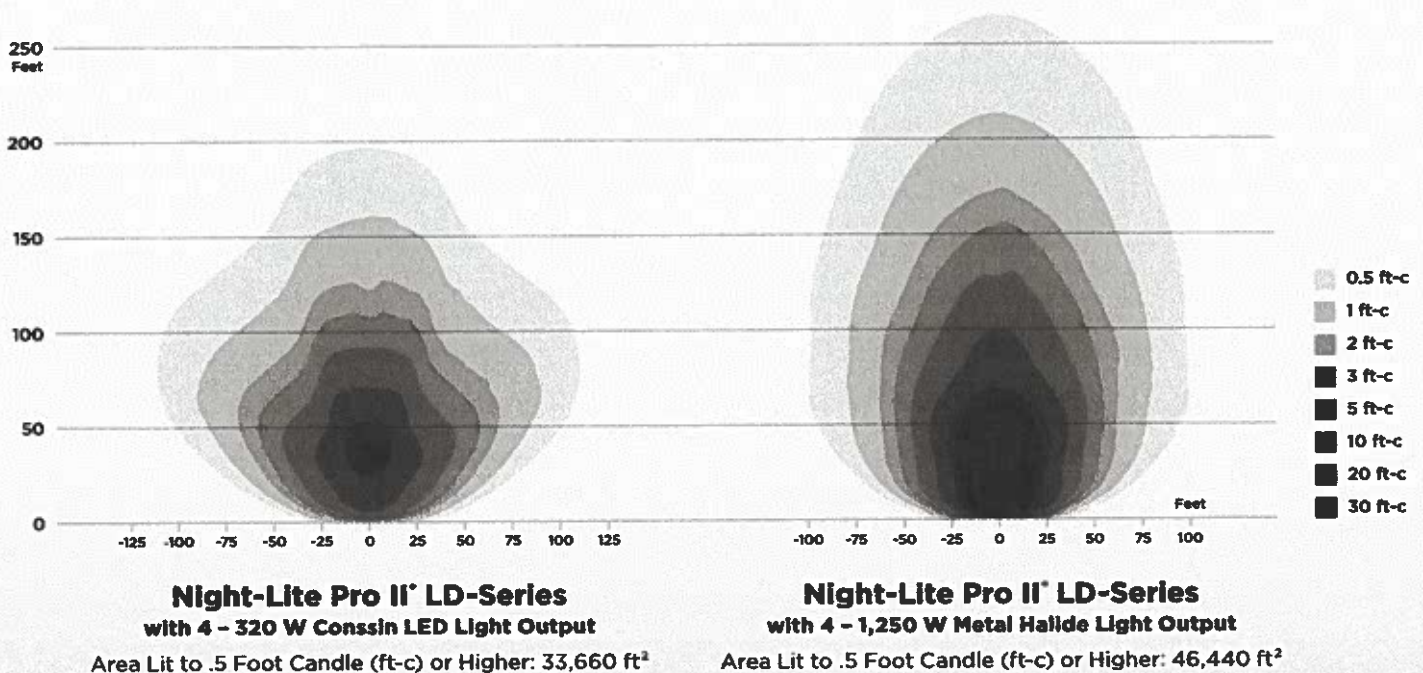
JUL 25 2019

PLANNING & ZONING DIVISION  
Town of West Hartford, CTNight-Lite Pro II<sup>®</sup> LD-Series

## TECHNICAL SPECS

Model	NLPROLD-MIJE	NLPROLD-K1005	NLPROLD-P1.1
Engine Brand / Model	Mitsubishi / L3E	Kubota / D1005	Perkins / P1.1
Engine Prime Power (kW)**	6	7	8
Fuel Capacity gal (L)	30 (113.6)	30 (113.6)	30 (113.6)
Light Type - Metal Halide	(4) Metal Halide SHO-HD <sup>®</sup> fixture		
Metal Halide Wattage	1,250	1,250	1,250
Lumens (per lamp / total)	135,500 / 542,000	135,500 / 542,000	135,500 / 542,000
Operating Time (hrs)*** (Using four 1,250 W metal halide light fixtures)	50	48.4	50
Features			
Outlets	Standard 20 A 120 VAC duplex GFCI / 30 A 240 VAC 4-Wire Twist Lock (NEMA L14-30R) / 30 A 120 VAC RV (NEMA TT-30R)		
Weights & Shipping			
Shipping Weight lbs (kg)	1,720 (780.2)		
Gross Vehicle Weight Rating (GVWR) lbs (kg)	2,200 (998)		
Shipping	12 units on a 48' or 53' flatbed		

## LIGHT COVERAGE



\* Balloon light only included in raised dimension - balloon light is removed for transportation. \*\* Prime generator electrical output per Allmand<sup>®</sup> testing. \*\*\* Based on one hour run test full fuel tank consumption. Allmand<sup>®</sup> has a policy of continuous product improvement and reserves the right to modify its specifications at any time and without prior notice. See operator's manual or [www.allmand.com](http://www.allmand.com) website for complete warranty details.



## OPTIONS

### Night-Lite Pro II<sup>®</sup> LD-Series



#### Arctic Package

- Heavy-duty battery 775 CCA @ 0° F
- Block heater (120 VAC)
- Fluid containment



#### LSC with E-Stop Package

(Not available with Mitsubishi Engine)

- LSC 2.1™ - Light Sequence  
Commander<sup>®</sup> automatically starts engine at sunset and shuts down engine at sunrise - programmable for user preferences.
- Emergency stop switch on exterior of machine



#### Arctic Max Package

(only available with Arctic Package)

- Heated fuel / water separator
- Radiator cover
- Low fuel shut-off system



#### AirStar Package

- Balloon Light features the AirStar Flex diffused lighting system using Allmand's exclusive bulbs. This system provides reduced glare while still illuminating a large area.

**Engine Air Intake Shut-Off Valve** (Not available with Mitsubishi or Perkins Engine)

**Telematics Package** (Customer supplied - consult factory)

**Custom Paint**

**Skid Mount Available on Standard SKUs**

**2" Bull Dog** (On Reversible Hitch) Feb 2019

**CSA** (Metal Halide)



## COMPROMISE NOTHING.

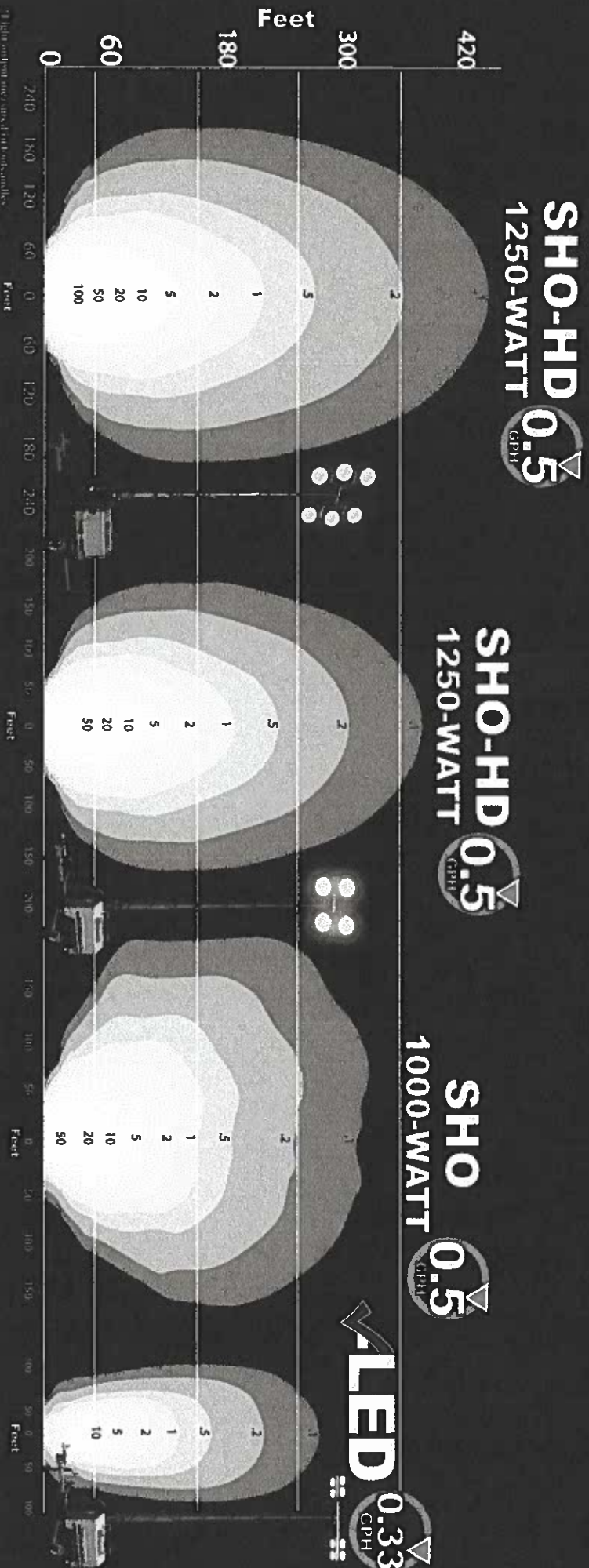
At Allmand, our sole focus is providing jobsite support equipment to help your customers get the job done. Whenever they need it. Wherever they are. And whatever it takes. What's more, our genuine commitment to you — the highest standard of service and lowest total cost of ownership — is simply unmatched. Choose the equipment that comes with complete confidence that jobsite productivity won't go dark at 2 a.m. **Allmand. Above All.**

# Allmand

**Brighter. Warmer. Safer.**

# ALLMAND LIGHT TOWERS LIGHT OUTPUT COMPARISON

**All lights aimed straight ahead, 20° below horizontal.**



**Allmand 6-1250W**  
900,000 Total Lumens  
58,613 sq. ft. lit to .5 fc or higher  
**MINE SPEC®**  
**RIG SPEC®**

**Allmand 4-1250W**  
600,000 Total Lumens  
46,641 sq. ft. lit to .5 fc or higher  
**NIGHT-LITE PRO II®**  
**MAXI-LITE® II**  
**MINE SPEC®**  
**RIG SPEC®**

**Allmand 4-1000W**  
440,000 Total Lumens  
32,813 sq. ft. lit to .5 fc or higher  
**NIGHT-LITE PRO II®**  
**MAXI-LITE® II**  
**MINE SPEC®**  
**RIG SPEC®**

**Allmand 4-240W LED**  
160,000 Raw Lumens  
80,000 Effective Total Lumens  
15,703 sq. ft. lit to .5 fc or higher  
**NIGHT-LITE PRO II® LED**  
**MAXI-LITE® II LED**  
**MINE SPEC® LED**  
**RIG SPEC® LED**

**\*Pictorial lighting graphs are based on independently-produced photometric test data**

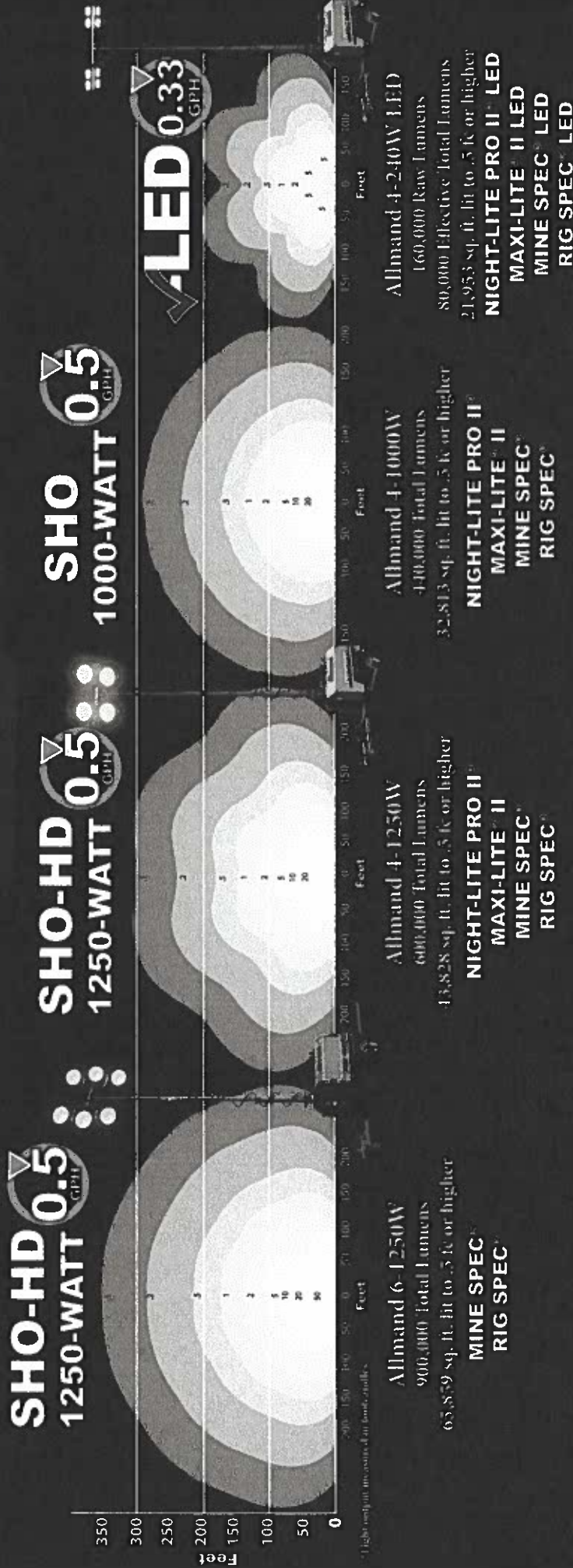


# Almand™

**Brighter. Warmer. Safer.**

## ALLMAND LIGHT TOWERS LIGHT OUTPUT COMPARISON

- \*4-fixture lights aimed 45° apart, 20° below horizontal
- \*6-fixture lights aimed 30° apart, 20° below horizontal



### ADVANTAGES

**SHO-HD  
1250-WATT**

- 150,000 lumens per lamp
- 600,000-900,000 total lumens per machine
- Parallel, compact lamp design
- Provide even distribution of light
- Less prone to physical damage
- Allmand-exclusive light system provides more lumens per fixture than competitive towers
- Saf-T-Visors can be used with the fixtures to further reduce glare

**✓LED**

- 40,000 raw lumens per fixture | 20,000 effective lumens per fixture
- Instantaneous illumination
- LED beam patterns help reduce glare
- Solid state construction
- Long lasting solution
- Increased runtime
- Low operating temperature increases safety

Pictorial lighting graphs are based on independently-produced photometric test data

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